DATA SHEET





Three Phase Induction Motor - Squirrel Cage : Automation Direct Customer Product line : Standard Efficiency Three-Phase Product code : 14785546 Catalog #: .3318ES3E56CFL-S Frame : 56C Locked rotor time : 55s (cold) 31s (hot) Output : 0.33 HP (0.25 kW) Temperature rise : 80 K Poles :4 Duty cycle : Cont.(S1) Frequency : 60 Hz Ambient temperature : -20°C to +40°C Rated voltage : 208-230/460 V Altitude : 1000 m.a.s.l. Protection degree Rated current : 1.38-1.25/0.624 A : IP55 L. R. Amperes : 9.80-8.86/4.43 A Cooling method : IC411 - TEFC LRC : 7.1x(Code M) Mounting : F-1 : Both (CW and CCW) No load current : 0.810-0.940/0.470 A Rotation¹ Rated speed : 1765 rpm Noise level² : 52.0 dB(A) Slip : 1.94 % Starting method : Direct On Line Rated torque : 0.982 ft.lb Approx. weight³ : 19.6 lb Locked rotor torque : 229 % Breakdown torque : 300 % : F Insulation class Service factor : 1.15 Moment of inertia (J) : 0.0517 sq.ft.lb 75% 100% Output 25% 50% Foundation loads Efficiency (%) 62.0 64.0 72.0 74.0 Max. traction : 27 lb : 47 lb Power Factor 0.26 0.47 0.58 0.68 Max. compression Non drive end Drive end 6203 ZZ Bearing type 6202 ZZ Without Bearing Seal Sealing V'Ring Lubrication interval Lubricant amount Mobil Polyrex EM Lubricant type Notes USABLE @208V SF 1.00 This revision replaces and cancel the previous one, which These are average values based on tests with sinusoidal must be eliminated. power supply, subject to the tolerances stipulated in NEMA (1) Looking the motor from the shaft end. MG-1. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. Checked Rev. **Changes Summary** Performed Date Performed by

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Checked by

Date

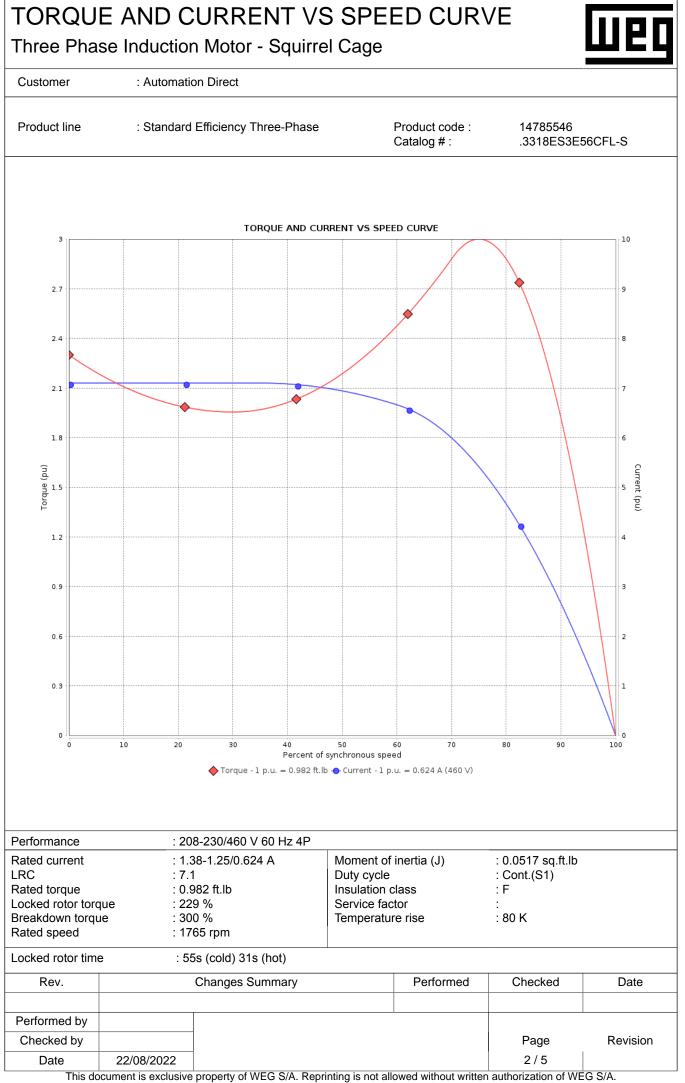
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Subject to change without notice

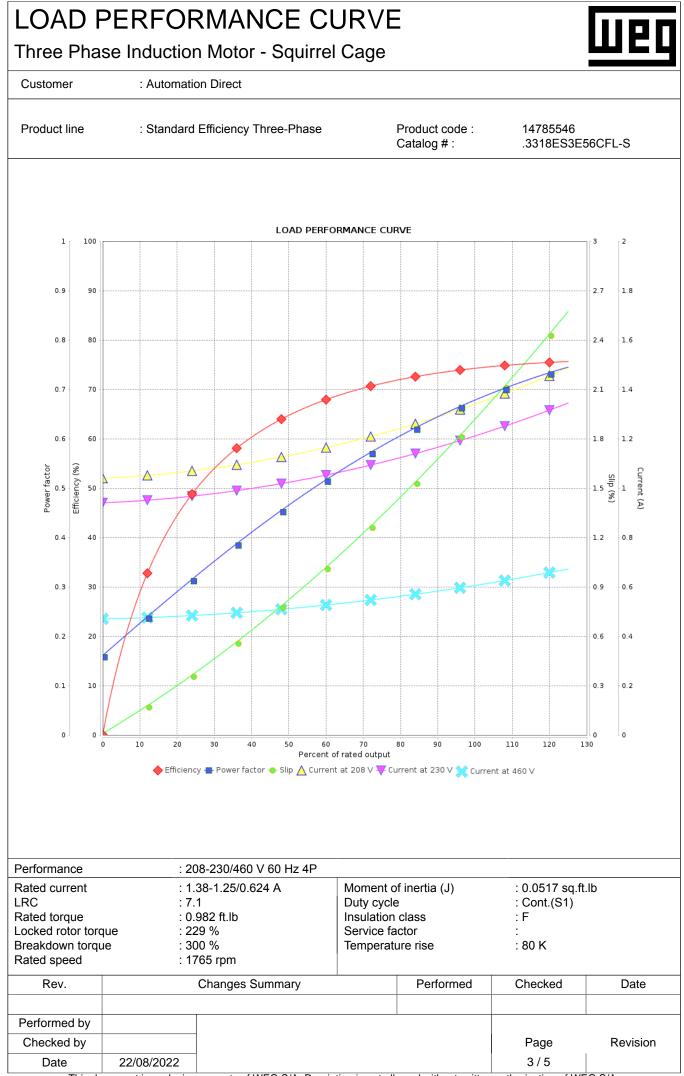
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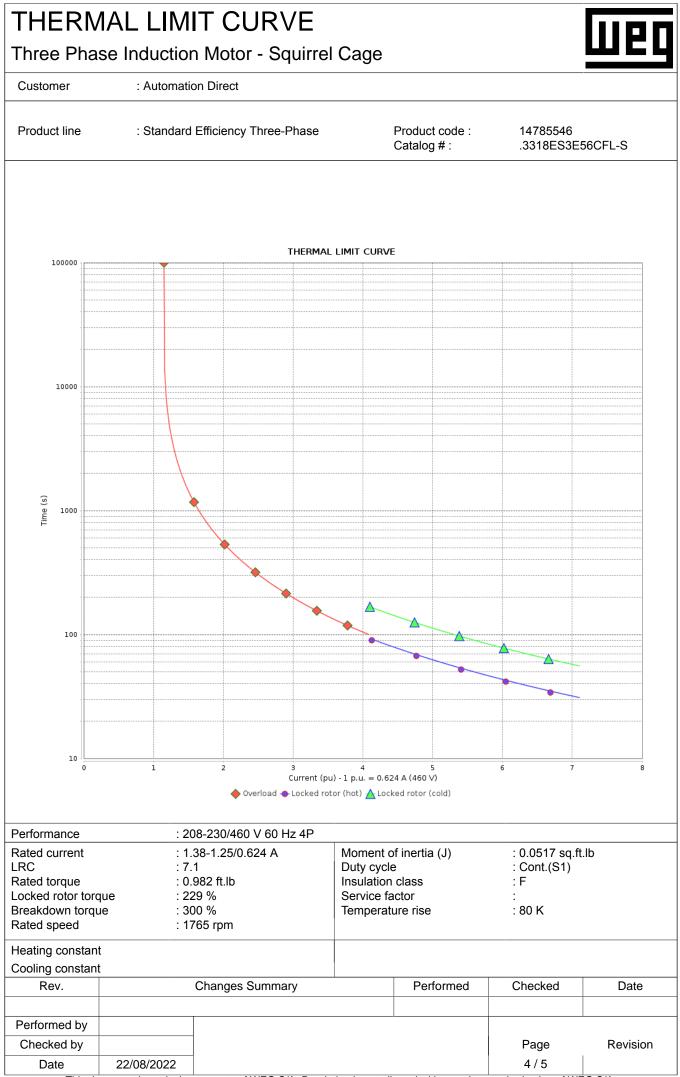
Revision



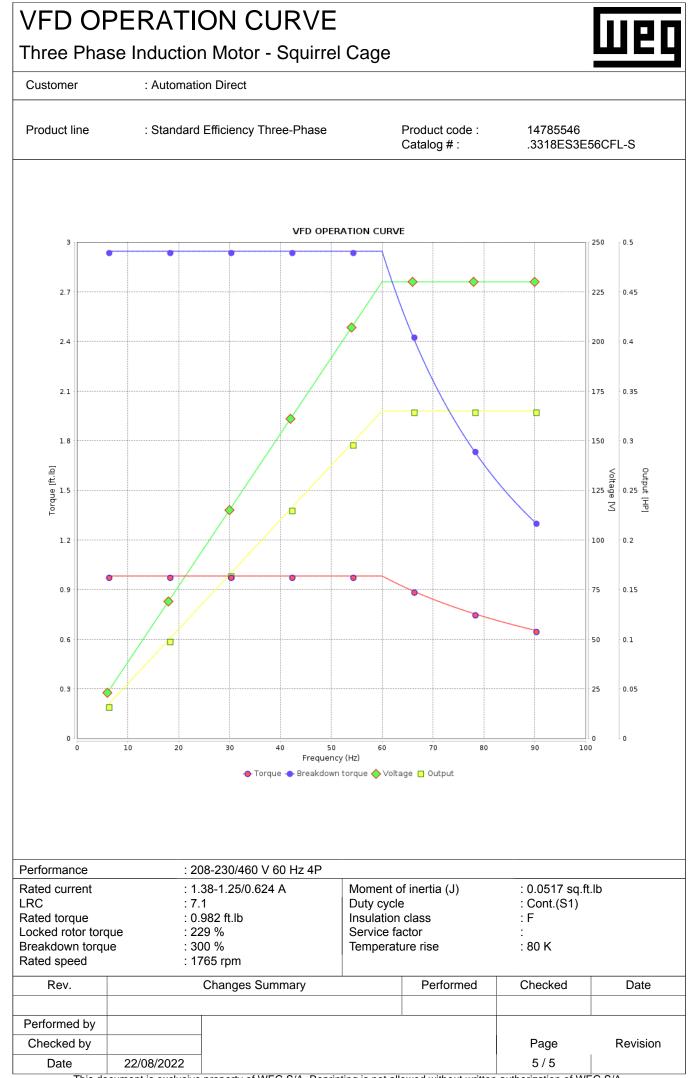
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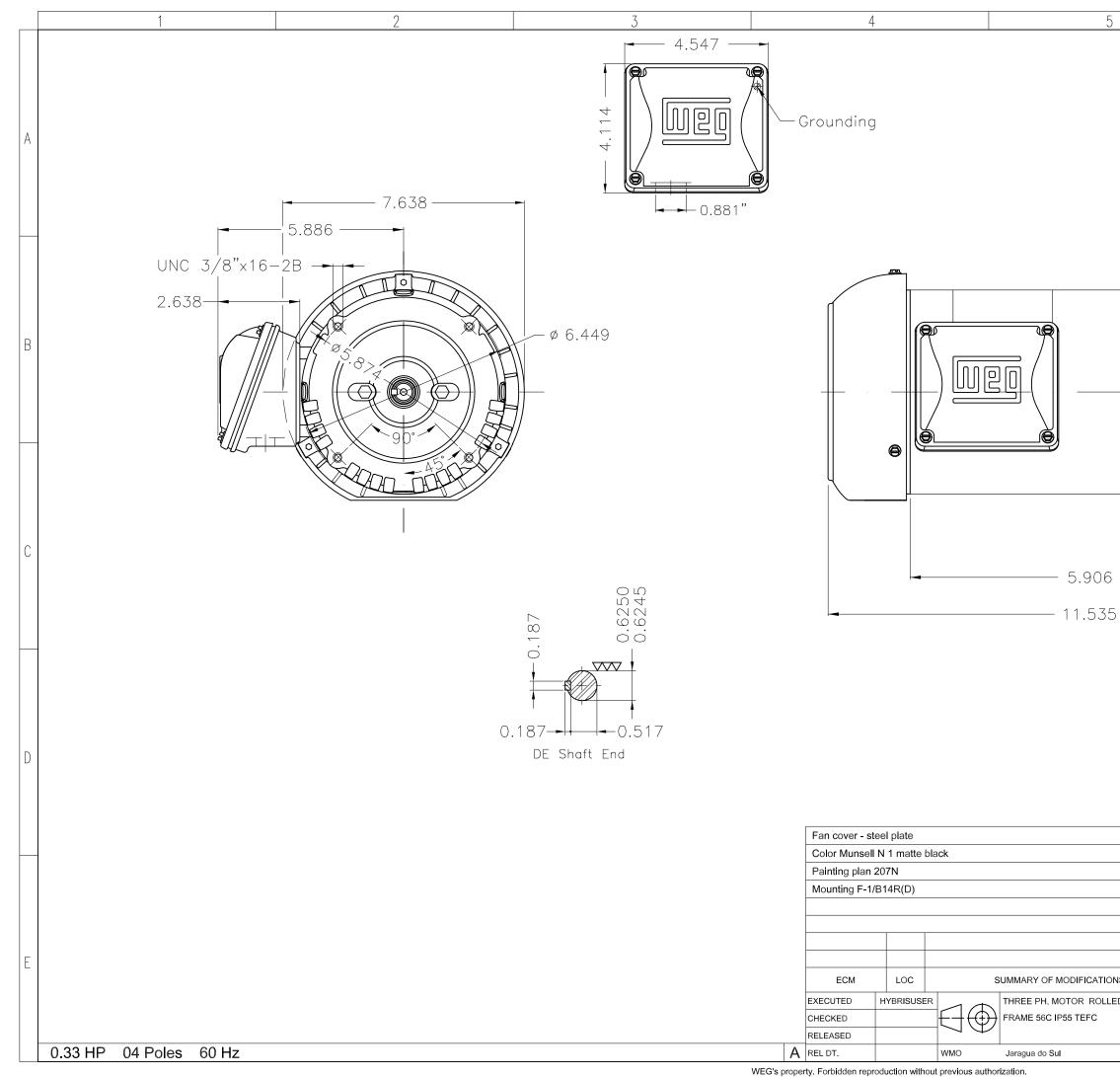
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		Dimensions in inches
DNS ED STEEL Pro		XME A3

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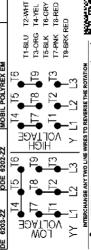
MAT: 14785546 W01.TE0IC0X0X

MODEL .3318ES3E56CFL-S

Class I, Div.2, Gr. A,B,C,D - T3 Div 2 Inverter Duty (SF1.00) CT 2:1/VT 1000:1

For 60Hz: Class I, Zone 2, IIC

						5	
H	3	Hz 60	60	₽	0.33		
H	56C			Ň	0.25		
μŢ	CONT.			>	208-230/460		
ALT	1000 m.a.s.	-8.		•	1.38-1.25/0.624		
INS CL	NS CL F AT 80K		IP55	SFA	1.38-1.44/0.718		
AMB	40°C		DES -	5	CL.1		
ENCL TEFC	TEFC		CODE M		1765		
USABL	JSABLE @ 208V SF1.00	/ SF	1.00	NEMA NOM. EFF	FF 74.0%		
ALTER	NATE RA	TING	ALTERNATE RATING: 0.33HP	50Hz	190-220/380-415V		SF1.00
1.38	1.38-1.30/0.678-0.690A	78-0.	·	1455RPM	EFF 73.1%	(IE2) IE	IEC 60034-
For 9	afe area-	Inve	ter duty mo	otor For	For safe area-Inverter duty motor For 60Hz use on VPWIM 1000:1 VT, 10:1 CT	100:1 VT	10:1 CT
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chocks. Disconnect power source before servicing unit. NARNING: Motor must be grounded in accordance with local nd national electrical codes to prevent serious electrica

nentation avant l'entrefien de la machine ux et nationaux ann d'éviter tout AVERTISSEMENT: Le moteur doit être mis à la terre conformément aux codes électriques loca chos électrique grave. Déconnectez l'alli